XXXVI General Meeting

of the

American Electrochemical Society

CHICAGO

SEPTEMBER 23, 24, 25, 26, 1919

Local Committee

E. W. Lloyd, Chairman	Commonwealth Edison Co.
E. Lunn	Pullman Co.
A. C. Trask	Marden, Orth & Hastings Co.
W. J. Bray	General Electric Co.
C. E. Allen	Westinghouse El. & Mfg. Co.
C. H. McClure	Commonwealth Edison Co.
W. M. Jewell	Chlorine Products Co.

Ladies' Entertainment Committee

E. Lunn, Chairman

Mrs. C. E. Allen	Mrs. W. Kline
Mrs. O. J. Bushnell	Mrs. E. W. Lloyd
Mrs. G. A. Freeman	Mrs. E. Lunn
Mrs. O. R. Hogue	Mrs. C. H. McClure
Mrs. Dana Howard	Mrs. H. E. Niesz
Mrs. G. H. Jones	Mrs. H. A. Seymour

Mrs. A. C. Trask

Publicity Committee

Charles F. Roth, Chairman

GENERAL INFORMATION.

HEADQUARTERS.

Headquarters will be at the Congress Hotel. Members are urged to make Hotel Reservations as early as possible. A list of different Hotels, with their rates, will be found on the last page of this program.

Registration begins at 6 p.m. Monday, September 22, in lobby of Florentine Room, Congress Hotel, and will continue there during Tuesday. From Wednesday morning on, the registrar will be found at the Society's booths, 235-236, on balcony at the Exposition. The registrar will receive arriving members and guests, distribute badges, papers and programs and give other information.

Guests should be introduced by members, and when registered can attend the sessions and receive such other courtesies as may be extended to them by the Local Committee or the officers of the Society. Applicants for admission to the Society who have already paid their entrance fee may register at the meeting as members and wear the member's badge.

PLACES OF MEETINGS.

The afternoon session of Tuesday will be held on the boat returning from Gary, Indiana. The Tuesday evening session will be held in Gold Room of the Congress Hotel, as will the sessions on Thursday morning and afternoon.

The sessions of Wednesday and Friday will take place at the Exposition Auditorium.

EXCURSION TO GARY, INDIANA.

This will be an all-day excursion by boat with the American Institute of Mining and Metallurgical Engineers to Gary, Indiana, where the plant of the Indiana Steel Company will be inspected. The party will be received at the dock by the company's special Observation train and conducted through the plant. Complimentary luncheon will be served at the plant, as guests of the Corporation. Details about tickets, etc., at the Registration Desk in the Congress Hotel. Ladies are cordially invited to participate.

ENTERTAINMENTS FOR LADIES.

(For detailed information, apply to the registrar.)

Tuesday, Sept. 23, Morning and Afternoon:

The ladies are urged to participate in the trip to Gary, which is planned to be made by steamer across the south end of Lake Michigan.

Wednesday, Sept. 24, Afternoon:

Luncheon and card party at South Shore Country Club.

Automobiles leave the Congress Hotel at 12:15 p.m.

Thursday, Sept. 25, Afternoon:

Luncheon at plant of Sears, Roebuck Company, followed by inspection of the plant.

Automobiles leave the Congress Hotel at 12:15 p.m.

Thursday, Sept. 25, Evening:

Theatre Party at 8:00 p.m.
Complimentary to visiting ladies only.

Friday, Sept. 26, Morning:

Shopping trips. Make arrangements at Registration Booth.

Friday, September 26, Evening:

Visiting the Exposition of Chemical Industries.

THE FIFTH NATIONAL EXPOSITION OF CHEMICAL INDUSTRIES.

Week of September 22, 1919.

Opens Monday noon, September 22nd, and will be open daily thereafter from noon to 10:30 p.m. It occupies the Coliseum and annex and balcony, as well as the First Regiment Armory, the former at 15th Street and Wabash Avenue, the latter on Michigan Boulevard, separated by a narrow alley.

All the large and important companies in the chemical industries are exhibiting their products and besides there are exhibits of machinery, apparatus and products that enter into manufacture in every phase of chemical industry.

One feature of the Exposition is the number of Electric Furnace exhibits arranged for this meeting of the Society jointly with the Institute of Mining and Metallurgical Engineers.

The Headquarters of the American Electrochemical Society will be in booths 235-236 on balcony at the Exposition, where the Local Committee have prepared an exhibit of the electrochemical products manufactured in the Chicago District and exhibits of such other products as are of interest to electrochemists, also from the District.

Headquarters of the American Chemical Society in booths 153-154. The Chicago Section of the American Chemical Society acting as hosts to all chemists seeking information about Chicago will have their headquarters at booth 126.

The auditorium for the meetings of the Society adjoins the balcony of the Coliseum. Any changes in meeting rooms necessitated by the number of assembled chemists will be announced prominently on a bulletin board at the entrance of both the Coliseum and Armory.

Watch these boards for announcements of all kinds.

Motion pictures will be shown each night in the auditorium of the Coliseum.

A program of the Exposition, which will contain a chronological account of all the meetings as well as the program of motion pictures, with an index to exhibits and maps showing the booth locations will be distributed at the Exposition.

The registration badge of the Society will secure admission to the Exposition. Without this badge members will require tickets.

PROGRAM.

MONDAY, SEPTEMBER 22, 1919.

6:00 P.M. Registration begins at Headquarters, Florentine Room, Congress Hotel.

Society Headquarters at Exposition are in Booths 235-236 on Balcony of Coliseum.

TUESDAY, SEPTEMBER 23, 1919.

8:00 A.M. All-day excursion by boat with the American Inst. of Mining and Metallurgical Engineers to Gary, Indiana, and trip through the Indiana Steel Company's plant. Details about tickets and starting point at the Registration Desk.

10:00 A.M. Meeting of the Board of Directors on board steamer.

12:00 Noon. Luncheon at Steel Plant.

1:30 P.M. Inspection of Indiana Steel Co.'s plant.

2:00 P.M. Joint Technical Session with A. I. M. & M. E. General subject: Iron and Steel. For list of papers, see the A. I. M. & M. E.'s program, copies of which may be obtained from our registrar.

NOTES.

8:00 P.M. Joint Technical Session with the A. I. M. & M. E. in the Gold Room, Congress Hotel. General subject: Iron and Steel.

WEDNESDAY, SEPTEMBER 24, 1919.

10:00 A.M. Reading and Discussion of Papers at Exposition Auditorium.

(2) M. A. Hunter and J. W. Bacon: Manganin.

(8) A. J. Helfrecht: Depreciation of Small Dry Cells with Age.

(13) N. K. Chaney: The Activation of Carbon.

(7) Louis Kahlenberg and J. A. Montgomery: The Effect of Amalgamation upon the Single Potential of Aluminum.

(12) Louis Kahlenberg and J. A. Montgomery: The Effect of Amalgamation upon the Single Potentials of the Binary Alloys of Aluminum with Copper, Zinc and Nickel.

12:30 P.M. Luncheon at the Exposition.

2:00 P.M. Joint Technical Session with the A. I. M. & M. E. at Exposition Auditorium. General subject: Ferrous and Non-Ferrous Metallurgy.

(1) F. A. J. Fitzgerald: Radiant Resistor Furnace.

(6) A. M. Clark: Electric Heat in the Typewriter Industry.

NOTES.

(Numbers prefixed to papers on program indicate papers printed in advance, numbered correspondingly.)

(9) F. A. J. Fitzgerald: Electric Furnace for Experimental Work.

(10) H. G. Weidenthal: A Square Deal for the Electric Furnace.

For list of papers offered by the A. I. M. & M. E., see the program, which may be obtained from our registrar.

Evening. Inspection of the Electric Furnace Exhibits at the Exposition.

8:00 P.M. Motion Pictures, in Exposition Auditorium:

1. Resistance Type Furnaces for Melting Nonferrous Metals.
2. Electric Furnaces in the Heat Treatment of Essential War Materials. (Both by courtesy of Electric Furnace Co.)
3. The Detroit Rocking Electric Melting Furnace in Operation. (Courtesy Detroit Electric Furnace Co.)
4. Shawinigan Power Development and the Shawinigan Industries. (Courtesy Shawinigan Water and Power Co.)

THURSDAY, SEPTEMBER 25, 1919.

10:00 A.M. Joint technical session with A. I. M. & M. E. Symposium on Pyrometry, at the Congress Hotel. For list of papers, etc., see the pro-

NOTES.

gram of the A. I. M. & M. E., which may be obtained from our registrar.

12:30 P.M. Luncheon at Congress Hotel.

2:30 P.M. Continuation of Joint Session with A. I. M. & M. E. on Pyrometry, at Congress Hotel.

8:00 P.M. Complimentary Smoker in the Florentine Room, Congress Hotel, as guests of the local Committee. Tickets of Admission to be obtained from the Registrar.

FRIDAY, SEPTEMBER 26, 1919.

10:00 A.M. Symposium on Catalysis at the Exposition, in charge of Prof. H. S. Taylor, Princeton University.

(6) W. D. Bancroft: Some Problems in Contact Catalysis.

H. S. Taylor: Further Problems in Contact Catalysis.

W. J. Huff: The Thermal Problem in Organic Contact Catalysis.

P. C. Zeisberg: The Thermal Problem in the Contact Process of Sulphuric Acid Manufacture.

E. K. Rideal: Modern Theories of Matter and the Problem of Catalysis.

(Note.—The organizers of the Symposium wish it emphasized that it is their desire to collect opinions on Catalysis from the general body of members rather than from the people submitting papers for this Symposium.)

$SO_2 + O_2$

H_2O

$H_2 + O$

CO

$H + Cl = HCl$

B. pt. SO_2 Capillary tubes.

12:30 P.M. Luncheon at the Exposition Restaurant.

2:00 P.M. Demonstration of Manufacture of Fluorine by Prof. F. C. Mathers. and Mr. Burr Humiston.

Reading and discussion of papers:

(8) William Blum: Factors Governing the Structure of Electrodeposited Metals.

(11) William Blum, F. J. Liscomb, Zalia Jenks and W. E. Baily: Lead Plating from Fluoborate Solutions.

C. J. Thatcher: Commercial Possibilities in the Electrochemical Production of Organic Compounds.

Evening. Visiting the Exposition.

HOTELS.

Name	Location	Rooms With Bath		Rooms Without Bath	
		Double	Single	Double	Single
Congress & Annex (Headquarters)	Michigan Boul. & Congress St..	$6.00 up	$4.00 up	$4.00 up	$3.00 up
Atlantic	Clark St. nr. Jackson Boul....	3.50 up	2.50 up	2.00 up	1.50 up
Blackstone	Michigan Boul. & Seventh St...	5.00 up		4.00 up	
Edgewater Beach	5300 Block Sheridan Road....	4.00 up	3.00 up		
Fort Dearborn...	La Salle & Van Buren Sts.....	3.75 up	2.50	3.25	2.00
Great Northern..	Jackson, Dearborn & Quincy Sts.	4.00 up	2.50 up	3.00 up	1.50 up
La Salle	Madison & La Salle Sts.....	5.00 up	3.50 up	4.00 up	2.50 up
Morrison	Clark & Madison Sts.....	5.00 up	2.50 up		
Palmer House...	State & Monroe Sts.....	3.00 up	2.50 up	2.00 up	1.50 up
Planters	Clark & Madison Sts.....	3.00 up	2.00 up	2.50 up	1.50 up
Saratoga	23-29 S. Dearborn St.....	3.00 up	1.50	1.50	1.50
Sherman	Clark & Randolph Sts.....	4.50 up	3.00 up	4.00	2.50

Magi Coast

N & L joint with

C & E

Refractories

Abrasives

Non ferrous Metals

Fitz.

Get in touch with

Frankenson

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SECRETARY

Jos. W. Richards, Lehigh University
Bethlehem, Pa.

Local Sections of the Society

Wisconsin Section (Madison, Wis.)

C. F. Burgess, Chairman, Madison, Wis.
O. P. Watts, Secretary, University of Wisconsin.

Philadelphia Section

Carl Hering, Chairman, Philadelphia, Pa.
S. S. Sadtler, Secretary, Philadelphia, Pa.

New York Section

Linn Bradley, Chairman, New York City
H. B Coho, Secretary, New York City

Pittsburgh Section

Earl Blough, Chairman, New Kensington, Pa.
C. B. Gibson, Secretary-Treasurer, Pittsburgh, Pa.

Niagara Falls Section

L. E. Saunders, Chairman, Niagara Falls, N. Y.
F. A. J. FitzGerald, Secretary, Niagara Falls, N. Y.

Entrance Fee, $5.00. (Students are exempt from paying entrance fee.) Yearly Dues, $5.00. Application blanks and any other information may be obtained from the Secretary. Each member receives the Publications of the Society, in pamphlet form, containing the papers and discussions of the General Meetings of the Society. Members can obtain the bound volumes of Transactions for an extra payment of $5.00 per year.

Next meeting?